



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RB23007638-1
Job Sheet 189139



REPRINT

Part No: RB23007638-1

Job Qty: 12 pcs

Part Name: Wrench



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 1/18/19

Job Tracking No:

Due Date: 2/22/19

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG RB23007638 REV 3 IPP Rev A 17.11.03 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier Lead Time	
100	Bandsaw - 1	12 pcs	2/22/19	2/22/19	0.00	1.20	Bandsaw - 1	
110	NV5000 - 1 - B4B	12 pcs	2/22/19	2/22/19	0.00	8.00	NV5000 - 1 - B4B	
							NV5000 - 2 - B4B	
120	QC 2	12 pcs	2/22/19	2/22/19	0.00	0.00	QC 2 - 1	
							QC 2 - 12	
							QC 2 - 14	
							QC 2 - 17	
							QC 2 - 19	
							QC 2 - 2	
							QC 2 - 20	
							QC 2 - 22	
							QC 2 - 23	
							QC 2 - 25	
							QC 2 - 32	
							QC 2 - 33	
							QC 2 - 35	
							QC 2 - 38	
							QC 2 - 39	
							QC 2 - 4	
							QC 2 - 40	
							QC 2 - 44	
							QC 2 - 45	
							QC 2 - 48	
							QC 2 - 49	
							QC 2 - 50	
							QC 2 - 51	
							QC 2 - 52	
							QC 2 - 54	
							QC 2 - 56	
							QC 2 - 57	
							QC 2 - 62	

See attached



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S196316



Part: RB23007638-1

Job No: 189139

Serial No/Batch: S196316

Revision: 3

Inspector:

Exp Date:

Instructions:

Date: 08/01/19

Plex 7/19/19 3:39 PM Dart.Guerin.Kimberley

				QC 2 - 63	
				QC 2 - 8	
				QC 2 - 66	
				QC 2 - 64	
				QC 2 - 65	
				QC 2 - 5	
				QC 2 - 71	
				QC 2 - 73	
130	QC 8	12 pcs	2/22/19	0.00 0.00	QC 8 - 12
<i>See attached</i>					QC 8 - 14
					QC 8 - 17
					QC 8 - 20
					QC 8 - 25
					QC 8 - 3
					QC 8 - 32
					QC 8 - 33
					QC 8 - 35
					QC 8 - 38
					QC 8 - 39
					QC 8 - 4
					QC 8 - 44
					QC 8 - 45
					QC 8 - 49
					QC 8 - 58
					QC 8 - 8
					QC 8 - 9
					QC 8 - 68
					QC 8 - 67
					QC 8 - 1 (A)
					QC 8 - 47
					QC 8 - 40
					QC 8 - 52
					QC 8 - 23
145	Outsource - 1 - Heat Treat	12 pcs	2/22/19		ATL002-VC 5
146	Packaging 2-1 - Receive - B4B	12 pcs	2/22/19	0.00 0.00	Packaging 2 - 1 - B4B
					Packaging 2 - 2 - B4B
					Packaging 2 - 3 - B4B
					Packaging 2 - 5 - B4B
					Packaging 2 - 4 - B4B
					Packaging 2 - 6 - B4B
					Packaging 2 - 7 - B4B
					Packaging 2 - 8 - B4B
					Packaging 2 - 9 - B4B
					Packaging 2 - 10 - B4B
					Packaging 2 - 11 - B4B
					Packaging 2 - 12 - B4B
					Packaging 2 - 13 - B4B
					Packaging 2 - 14 - B4B
					Packaging 2 - 15 - B4B
					Packaging 2 - 16 - B4B
					Packaging 2 - 17 - B4B
					Packaging 2 - 18 - B4B
					Packaging 2 - 19 - B4B
					Packaging 2 - 20 - B4B
					Packaging 2 - 21 - B4B
					Packaging 2 - 22 - B4B
					Packaging 2 - 23 - B4B
					Packaging 2 - 24 - B4B
					Packaging 2 - 25 - B4B

2019-07-19

AUG 01 2019

				Packaging 2 - 26 - B4B	
				Packaging 2 - 27 - B4B	
				Packaging 2 - 28 - B4B	
				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
147	QC 6	12 pcs	2/22/19	0.00 0.00	QC 6 - 9
					QC 6 - 68
					QC 6 - 61
					QC 6 - 40
150	Outsource - 12 - Black Oxide	12 pcs	2/22/19		GRO002-VC 10
160	Packaging 2-2 - Receive - B4B	12 pcs	2/22/19	0.00 0.00	Packaging 2 - 1 - B4B
					Packaging 2 - 2 - B4B
					Packaging 2 - 3 - B4B
					Packaging 2 - 5 - B4B
					Packaging 2 - 4 - B4B
					Packaging 2 - 6 - B4B
					Packaging 2 - 7 - B4B
					Packaging 2 - 8 - B4B
					Packaging 2 - 9 - B4B
					Packaging 2 - 10 - B4B
					Packaging 2 - 11 - B4B
					Packaging 2 - 12 - B4B
					Packaging 2 - 13 - B4B
					Packaging 2 - 14 - B4B
					Packaging 2 - 15 - B4B
					Packaging 2 - 16 - B4B
					Packaging 2 - 17 - B4B
					Packaging 2 - 18 - B4B
					Packaging 2 - 19 - B4B
					Packaging 2 - 20 - B4B
					Packaging 2 - 21 - B4B
					Packaging 2 - 22 - B4B
					Packaging 2 - 23 - B4B
					Packaging 2 - 24 - B4B
					Packaging 2 - 25 - B4B
					Packaging 2 - 26 - B4B
					Packaging 2 - 27 - B4B
					Packaging 2 - 28 - B4B
					Packaging 2 - 29 - B4B
					Packaging 2 - 30 - B4B
					Packaging 2 - 31 - B4B
					Packaging 2 - 32 - B4B
					Packaging 2 - 33 - B4B
					Packaging 2 - 34 - B4B
					Packaging 2 - 35 - B4B
					Packaging 2 - 36 - B4B
170	QC 6	12 pcs	2/22/19	0.00 0.00	QC 6 - 38
					QC 6 - 42
					QC 6 - 9
					QC 6 - 68
					QC 6 - 61
					QC 6 - 40
180	Packaging 3-1 - Stock - B4B	12 pcs	2/22/19	0.00 0.00	Packaging 3 - 1 - B4B

DAS
61
9-89

KH 2019-08-09

AC
AUG 2 1 2019DAS
61
9-89

				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	DAS 28 9-89
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	DAS
190 QC 21 - SA	12 pcs	2/22/19	0.00 0.00	QC 21 - SA - 21	21
				QC 21 - SA - 70	9-89
				QC 21 - SA - 53	

AUG 22 2019

Part Op 100 - Bandsaw - Cut blanks to 7.85"

Descriptions: 110 - MORI SEIKI VERTICAL MACHINE #1 - 1-Machine as per folio FC335 FOLIO REV: _____ DWG REV: _____
 2-Debur

120 - QC2- Inspect parts off machine FAI/FAIB - Engrave T/N And / or S/N number as required Using Marktronic engraver as per DWG.

130 - QC8- Inspect parts - second check

145 - Outsource process - Heat Treat - 1--Issue P/O ; P/O 44058 RC 36-40 2-Bead blast 3- Certificate of Conformity is required

146 - (Receive & Inspect for Damage & Mat'l Certs)

147 - QC6- All purchased or subcontracted products

150 - Outside Processing - Black Oxide -Issue P/O; PO 44231 -Black oxide finish, MIL-C-13924C Class 1 - Certificate of Conformity is required

160 - Receive & Inspect for Damage & Mat'l Certs

170 - QC6- All purchased or subcontracted products

180 - Identify as per dwg & Stock Location: _____

190 - QC21- Final Inspection - Work Order Release

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
MT-4140-S-0.500X1.625	4140 Steel Plate 0.500 X 1.625	7.9440 ft (.662 ea)	100-Bandsaw - 1	S154187

Mat used
7.898

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Bandsaw - 1	MT-4140-S-0.500X1.625	8	10	0
Part Specifications				
Specifications could not be found.				

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RB23007638-1
Job Sheet 189139



Part No: RB23007638-1

Job Qty: 12 pcs

Part Name: Wrench



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 1/18/19

Job Tracking No:

Due Date: 2/22/19

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG RB23007638 REV 3 IPP Rev A 17.11.03 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Bandsaw - 1	12 pcs		2/22/19	0.00	1.20	Bandsaw - 1		
110	Mori Seiki TL-40 - 1 - B4B <i>NV5000</i>	12 pcs		2/22/19	0.00	8.00	Mori Seiki TL-40 - 1 - B4B	<i>AL.A. 7/7/19</i>	
120	QC 2	12 pcs		2/22/19	0.00	0.00	QC 2 - 1		
							QC 2 - 12		
							QC 2 - 14	<i>AL.A. 7/7/19</i>	
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 38		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		
							QC 2 - 49		
							QC 2 - 50		
							QC 2 - 51		
							QC 2 - 52		
							QC 2 - 54		
							QC 2 - 56		
							QC 2 - 57		
							QC 2 - 62		

Plex 1/18/19 1:51 PM Dart.lajeunesse.marie

130 QC 8	12 pcs	2/22/19	0.00 0.00	QC 2 - 63	
				QC 2 - 8	
				QC 8 - 12	
				QC 8 - 14	
				QC 8 - 17	
				QC 8 - 20	
				QC 8 - 25	
				QC 8 - 3	
				QC 8 - 32	
				QC 8 - 33	
				QC 8 - 35	
				QC 8 - 38	
				QC 8 - 39	
				QC 8 - 4	
				QC 8 - 44	
				QC 8 - 45	
				QC 8 - 49	mmL 19/07/16
				QC 8 - 58	
				QC 8 - 8	
				QC 8 - 9	
				QC 8 - 68	
				QC 8 - 67	
				QC 8 - 1 (A)	
145 Outsource - 1 - Heat Treat	12 pcs	2/22/19		ATL002-VC	5
150 Outsource - 12 - Black Oxide	12 pcs	2/22/19		GRO002-VC	10
160 Packaging 2-1 - Receive - B4B	12 pcs	2/22/19	0.00 0.00	Packaging 2 - 1 - B4B	
				Packaging 2 - 2 - B4B	
				Packaging 2 - 3 - B4B	
				Packaging 2 - 5 - B4B	
				Packaging 2 - 4 - B4B	
				Packaging 2 - 6 - B4B	
				Packaging 2 - 7 - B4B	
				Packaging 2 - 8 - B4B	
				Packaging 2 - 9 - B4B	
				Packaging 2 - 10 - B4B	
				Packaging 2 - 11 - B4B	
				Packaging 2 - 12 - B4B	
				Packaging 2 - 13 - B4B	
				Packaging 2 - 14 - B4B	
				Packaging 2 - 15 - B4B	
				Packaging 2 - 16 - B4B	
				Packaging 2 - 17 - B4B	
				Packaging 2 - 18 - B4B	
				Packaging 2 - 19 - B4B	
				Packaging 2 - 20 - B4B	
				Packaging 2 - 21 - B4B	
				Packaging 2 - 22 - B4B	
				Packaging 2 - 23 - B4B	
				Packaging 2 - 24 - B4B	
				Packaging 2 - 25 - B4B	
				Packaging 2 - 26 - B4B	
				Packaging 2 - 27 - B4B	
				Packaging 2 - 28 - B4B	
				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	

				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
170 QC 6	12 pcs	2/22/19	0.00 0.00	QC 6 - 38	
				QC 6 - 42	
				QC 6 - 9	
				QC 6 - 68	
				QC 6 - 61	
180 Packaging 3-1 - Stock - B4B	12 pcs	2/22/19	0.00 0.00	Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
190 QC 21 - SA	12 pcs	2/22/19	0.00 0.00	QC 21 - SA - 21	
				QC 21 - SA - 70	

Part Op 100 - Bandsaw - Cut blanks to 7.85"

Descriptions: 110 - MORI SEIKI VERTICAL MACHINE #1 - 1-Machine as per folio FC335 FOLIO REV: _____ DWG REV: _____
2-Debur

120 - QC2- Inspect parts off machine FAI/FAIB - Engrave T/N And / or S/N number as required Using Marktronic engraver as per DWG.

130 - QC8- Inspect parts - second check

145 - Outsource process - Heat Treat - 1--Issue P/O to Metcore ; P/O _____ RC 36-40 2-Bead blast 3-

Certificate of Conformity is required ***NOTE*** DROP SHIP TO FINISHER Metcore to ship directly to Groupe Altech

150 - Outside Processing - Black Oxide -Issue P/O to Groupe Altech; PO _____ -Black oxide finish, MIL-C-

13924C Class 1 -Certificate of Conformity is required

160 - Receive & Inspect for Damage & Mat'l Certs

170 - QC6- All purchased or subcontracted products

180 - Identify as per dwg & Stock Location: _____

190 - QC21- Final Inspection - Work Order Release

Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
MT-4140-S-0.500X1.625	4140 Steel Plate 0.500 X 1.625	7.9440 ft (.662 ea)	100-Bandsaw - 1	5154197

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Bandsaw - 1	MT-4140-S-0.500X1.625	8	6	0

Part Specifications	
Specifications could not be found.	

*Gene Chantal
to order*

MAT
used
7.898

MAT 009-H.

Plex 1/18/19 1:51 PM Dart.lajeunesse.marie



Container No: S196316



Part: RB23007638-1

Job No: 189139

Serial No/Batch: S196316

Revision: 3

Inspector:

Exp Date:

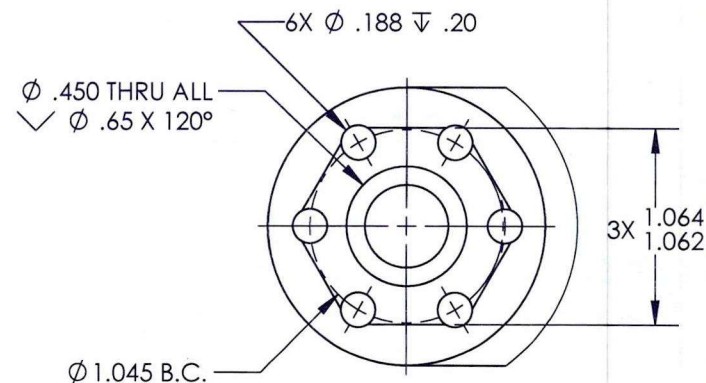
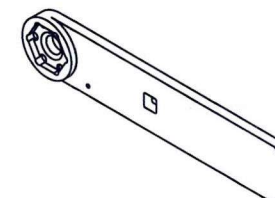
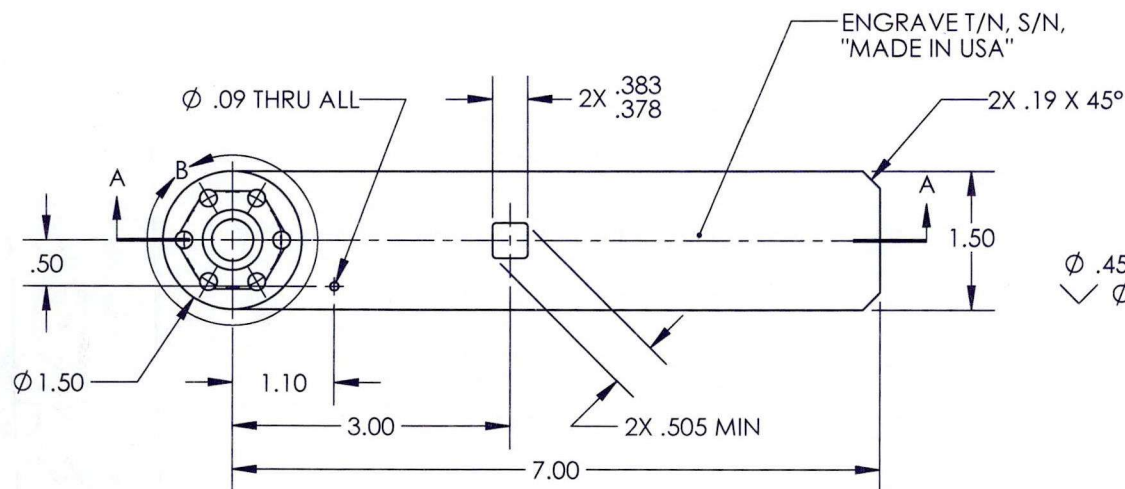
Instructions:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

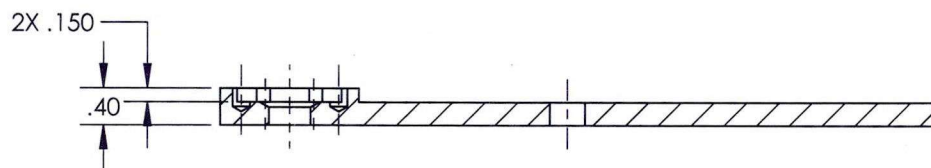
Date: 07/08/19

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
3	15-0471	-1 CH'D DIMS WAS .375-.378 IS 2X .378-.383, WAS .505 MIN IS 2X .505 MIN, WAS R.75 IS Ø1.50. ADDED ENGRAVE NOTE.	1/5/2016	DPD	JAG



DETAIL B
SCALE 1 : 1



SECTION A-A

(-1)
WRENCH

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 189132 MWS
19-0121

DART AEROSPACE	
TITLE WRENCH - FUEL INJECTOR	
DWG NO. RB23007638-1	REV 3
MAT'L 4140/4142 TREAT RC 36-40 FINISH BLACK OXIDE SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES ± 125°	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
USED ON MODEL SEE NOTE 2 SHEET 1	
SCALE 1:2	DATE 8/25/2003
SHEET 2 OF 3	

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐

Job: _____ Part No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐	DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Eng. (Non-AW) ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Engineering ☐ Water Jet ☐ Supplier ☐ Quality ☐			
Date :	Sequence #:	QTY Affected :		MRB (QSI042)	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor	
				QC / QA Coordinator	
Root Cause Operator ☐ Manufacturing Process ☐ Equip/Tooling ☐ Handling/Preservation ☐ Material ☐ Product Improvement ☐ Process Improvement ☐ Human Factors ☐ ☐ Pressure/Forced ☐ Bending ☐ Crushing ☐ Cracks ☐ Crimp/Kink/Ripple/Wave/Twist ☐ Marks/Chatter ☐ Mislabeled		FAULT CATEGORY ☐ Contamination ☐ Misaligned/off center ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Incomplete/Unclear Instructions ☐ Drill Holes ☐ Fit/Function ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain Direction ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set/Set-up ☐ Positioned Wrong ☐ Outside Tolerance ☐ Drawing ☐ Finish ☐ Part Lost/Missing ☐ Misread			
Other/Details:					



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044058



Supplier: ATL002-VC
Atlantic Heat Treat 2001
401 Frankcom
Ajax
ON
L1S 1R4 Canada
Phone: 866 257 6395

Attention: Ananth, Nimmy

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB044058

PO Date: 7/19/19

Due Date: 7/29/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Pymt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	197185	RB6872882-3	Finger 1-Issue P/O RC 48-52 2-Bead blast 3--Material type; O1 4- Certificate of Conformity is required	Firmed	-	7/29/19	20 pcs	0 pcs	20 pcs	\$3.75/pcs	\$75.00
				X20				AUG 0-1 2019			
								AUG 0-1 2019			
2	189139	RB23007638-1	Wrench Outsource process - Heat Treat - 1-Issue P/ RC 36-40 Material 4140/4142 2-Bead blast 3- Certificate of Conformity is required	Firmed	-	7/29/19	12 pcs	0 pcs	12 pcs	\$14.1666/pcs	\$170.00
				X12				AUG 0-1 2019		DAS 61 9-89	

Grand Total: \$245.00

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Dart Aerospace Ltd.
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Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER
POHB044058



Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 7/25/19 2:16 PM Dart.Guerin.Kimberley

Shipping Ticket

Sold To: 1448
DART AEROSPACE LTD.
1270 ABERDEEN ST
HAWKESBURY ON K6A 1K7

Ship To: 165322
DART AEROSPACE LTD.
1270 ABERDEEN ST
HAWKESBURY ON K6A 1K7

Page 1 of 1

Purchase Order Number	Packing List No	Customer Job No	Route	Carrier
POHB044058				

Quantity	Part No. / Part Name / Part Description	Pounds
12 PCS	MATERIAL 4140/4142 ANNEAL FIRST AND THEN HEAT TREAT TO 36-40RC SANDBLAST, C OF C, PRT# RB23007638-1, JOB# 189139	DAS 61 9-89

Container Type	# Of Containers	Cust Cont Id	Container Type	# Of Containers	Cust Cont Id
BOX	1				

NOTICE: OUR LIABILITY IS LIMITED TO OUR INVOICE CHARGES ONLY

Shipped Complete

Quantity Shipped: 12

Pounds Shipped: 10.00

RECEIVED
AUG 01 2019
DART AEROSPACE LTD.

SJS

38RC

7-31-19

Order No.: 168431	Shipped Complete	Quantity Shipped:	12.00
Received By:	Date:	Pounds Shipped:	10.00

Sold To: DART AEROSPACE LTD.

Shipped ON: 07/23/2019

Certification

Date: 07/25/2019

Entry Date: 07/23/2019

Page: 1 of 1

To:DART AEROSPACE LTD.
1270 ABERDEEN ST

Purchase Order No.: POHB044058

Packing List No.:

HAWKESBURY ON K6A 1K7

Material: 4140

We are pleased to provide you with the following Certificate of Compliance.

Quantity	Part Number / Part Name / Part Description	Pounds
12	12 PCS MATERIAL 4140/4142 ANNEAL FIRST AND THEN HEAT TREAT TO 36-40RC SANDBLAST, C OF C, PRT# RB23007638-1, JOB# 189139	10

DAS
61
9-89

Insp. Type	Scale	Minimum	Maximum	Number	Other
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Customer Requirements:

Harden rockwell

Results:Harden ROCKWELL 36. 40. 38. TESTED AS PER SAMPLING PLAN
HEAT TREATED TO 38 RC AS PER CUSTOMER REQUEST

STATEMENT OF LIMITED LIABILITY (PLEASE READ CAREFULLY): ALL WORK IS ACCEPTED SUBJECT TO THE FOLLOWING CONDITIONS: It is recognized that even after employing all the scientific methods known to us, hazards still remain in metal treating. THEREFORE, OUR LIABILITY SHALL NOT EXCEED TWICE THE AMOUNT OF OUR CHARGES FOR THE WORK DONE ON ANY MATERIAL (FIRST TO REIMBURSE FOR THE CHARGES AND SECOND TO COMPENSATE IN THE AMOUNT OF THE CHARGES), EXCEPT BY WRITTEN AGREEMENT SIGNED BY THE METAL TREATER. THE CUSTOMER, BY CONTRACTING FOR METAL TREATMENT, AGREES TO ACCEPT THE LIMITS OF LIABILITY AS EXPRESSED IN THIS STATEMENT TO THE EXCLUSION OF ANY AND ALL PROVISIONS AS TO LIABILITY ON THE CUSTOMER'S OWN INVOICES, PURCHASE ORDERS OR OTHER DOCUMENTS. IF THE CUSTOMER DESIRES HIS OWN PROVISIONS AS TO LIABILITY TO REMAIN IN FORCE AND EFFECT, THIS MUST BE AGREED TO IN WRITING, SIGNED BY AN OFFICER OF THE TREATER. IN SUCH EVENT, A DIFFERENT CHARGE FOR OUR SERVICES REFLECTING THE HIGHER RISK TO TREATER, SHALL BE DETERMINED BY THE TREATER AND CUSTOMER. THE TREATER MAKES NO EXPRESS OR IMPLIED WARRANTIES AND SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTY OF THE FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, AS TO THE PERFORMANCE OF CAPABILITIES OF THE MATERIAL AS HEAT TREATED, OR THE HEAT TREATMENT. THE AFOREMENTIONED LIMITATION OF LIABILITY STATED ABOVE IS SPECIFICALLY IN LIEU OF ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS, AND OF ANY OTHER SUCH OBLIGATION ON THE PART OF THE TREATER. No claim for shortage in weight or count will be entertained unless presented within five (5) working days after receipt of materials by customer. No claim will be allowed for shrinkage, expansion, deformity, or rupture of material in treating or straightening, except by prior written agreement, as above, nor in any case for rupture caused by or occurring during subsequent grinding. Whenever we are given material with detailed instructions as to treatment, our responsibility shall end with the carrying out of those instructions. Failure by a customer to indicate plainly and correctly the kind of material (i.e., proper alloy designation) to be treated, shall cause an extra charge to be made to cover any additional expense incurred as a result thereof, but shall not change the limitation of liability stated above. Customer agrees there will be no liability on the treater in contract for any special, indirect or consequential damages arising whatsoever, including but not limited to personal injury, property damage, loss of profits, loss of production, recall or any other losses, expenses or liabilities allegedly occasioned by the work performed on the part of the treater. It shall be the duty of the customer to inspect the merchandise immediately upon its return, and in any event claims must be reported prior to the time that any further processing, assembling or any other work undertaken. OUR LIABILITY TO OUR CUSTOMERS SHALL CEASE ONCE ANY FURTHER PROCESSING, ASSEMBLING OR ANY OTHER WORK HAS BEEN UNDERTAKEN ON SAID MATERIAL. No agent or representative is authorized to alter the above conditions, except by writing duly signed by an officer of treater.


KEAN SHEPHERD
QUALITY CONTROL
ATLANTIC HEAT TREATING 2001 LTD



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044231



Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

Attention: Grenon, Sylvie

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB044231

PO Date: 8/9/19

Due Date: 8/16/19

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments:

E-MAILED
2019-08-13

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	194605	RB6798292	Wrench Ground Idle Screw Adjusting (Hinged) -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 1018/Stainless Steel filler rod -Certificate of Conformity is required	Firmed	-	8/16/19	3 pcs	0 pcs	3 pcs	\$10.5657/pcs	\$31.70

3 X AUG 19 2019

5203277



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044231



Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
2	196553	RBT18503	Bullet for Restraint Spring Assembly -Issue P/O: -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required	Firmed	-	8/16/19	20 pcs	0 pcs	20 pcs	\$1.95/pcs	\$39.00
						20 X AUG 15 2019					
3	198296	RBW6500X01611-W142E-3T-3	Cross Bar -Issue P/O: -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required	Firmed	-	8/16/19	6 pcs	0 pcs	6 pcs	\$1.50/pcs	\$9.00
						6 X AUG 19 2019					
						S203394					



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044231



Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	197378	RB6795985	Wrench-Power Turbine Shaft Ball Bearing Ret Nut -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required	Firmed	-	8/16/19	4 pcs	0 pcs	4 pcs	\$15.1657/pcs	\$60.66
5	197515	RBE350A93-3312-03-1	Receiver (Outside Processing - Black Oxide) -Issue P/O to GROUPE ALTECH; PO -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required	Firmed	-	8/16/19	10 pcs	0 pcs	10 pcs	\$3.35/pcs	\$33.50
6	189139	RB23007638-1	Wrench Outside Processing - Black Oxide -Issue P/O -Black oxide finish, MIL-C-13924C Class 1 -Certificate of Conformity is required	Firmed	-	8/16/19	12 pcs	0 pcs	12 pcs	\$13.9657/pcs	\$167.59
Grand Total:											\$341.45

4x AUG 19 2019

5200410

10x AUG 19 2019

5202635

12x AUG 19 2019

5196316

DAS
61
9-89



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044231



Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 8/13/19 9:36 AM Dart.Guerin.Kimberley



Certificat de Conformité / Certificate of Compliance

(020663-2)

2455, Rue Falgout | Saint-Laurent | Québec | H4S 1N9
Tel: 514-335-3666 Fax: 514-335-3868
www.groupaltech.com

Bon de Livraison / Packing Slip

020663-2

Livré à / Ship to

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON, K6A1K7
CANADA
Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
1270 ABERDEEN STREET
HAWKESBURY, ON, K6A1K7
CANADA
BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.	Bon de commande Client Customer Purchase Order No.					
16-Aug-2019		SPARTAKOS BOUNTOURIS		POHB044231					
#Ligne Line#	No. de Série / # Pièce Part Number / Line Item Details	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir/ Back Order	
1	RB6798292 Rev.	RB6798292 SANDBLAST OXIDE-BLK & OIL [OXIDE BLACK AND OIL] APPLY THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE 3 OR MILL-C23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS	OXIDE-BLACK CH	3	3	0	0	0	
3	RBW6500X01611-W142E-3T-3 Rev.	RBW6500X01611-W142E-3T-3 OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE 3 OR MILL-C23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS	OXIDE-BLACK CH	6	6	0	0	0	
4	RB6795958 Rev.	RB6795958 SCOTCH WHITE OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE 3 OR MILL-C23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS	OXIDE-BLACK CH	4	4	0	0	0	
5	RBE350A93-3312-03-1 Rev.	RBE350A93-3312-03-1 OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE 3 OR MILL-C23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS	BLACK-OXIDE CH	10	10	0	0	0	
6	RB23007632-1 Rev.	RB23007632-1 SCOTCH WHITE OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1	OXIDE-BLACK CH	12	12	0	0	0	
7	SANDBLAST Rev.	SANDBLAST SANDBLAST	SANDBLAST MIN-CHG	1	1	0	0	0	

RECEIVED
AUG 19 2019
DART AEROSPACE LTD.

RB6795985

RB2300
7638-1

5 boxes

encl



Certificat de Conformité / Certificate of Compliance

(020663-2)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupaltech.com

Bon de Livraison / Packing Slip

020663 - 2

Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.	Bon de commande Client Customer Purchase Order No.					
16-Aug-2019		SPARTAKOS BOUNTOURIS		POHB044231					
#Ligne Line#	No. de Série / # Pièce Part Number / Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir / Back Order	

Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.



Certificat de Conformité / Certificate of Compliance

(020663-2)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupaltech.com

Bon de Livraison / Packing Slip

020663 - 2

Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.	Bon de commande Client Customer Purchase Order No.				
16-Aug-2019		SPARTAKOS BOUNTOURIS		POHB044231				
#Ligne Line#	No. de Série / # Pièce Part Number / Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap/	À venir/ Back Order
1	RB6798292 Rev.	RB6798292 SANDBLAST OXIDE-BLK & OIL [OXIDE BLACK AND OIL] APPLY THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL -C-81309 TYPE 3 OR MILL-C23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS	OXIDE-BLACK CH	3	3	0	0	0
3	RBW6500X01611-W142E-3T-3 Rev.	RBW6500X01611-W142E-3T-3 OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL -C-81309 TYPE 3 OR MILL-C23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS	OXIDE-BLACK CH	6	6	0	0	0
4	RB6795985 Rev.	RB6795985 SCOTCH WHITE OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL -C-81309 TYPE 3 OR MILL-C23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS	OXIDE-BLACK CH	4	4	0	0	0
5	RBE350A93-3312-03-1 Rev.	RBE350A93-3312-03-1 OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL -C-81309 TYPE 3 OR MILL-C23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS	BLACK-OXIDE CH	10	10	0	0	0
6	RB23007638-1 Rev.	RB23007638-1 SCOTCH WHITE OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1	OXIDE-BLACK CH	12	12	0	0	0
7	SANDBLAST Rev.	SANDBLAST SANDBLAST	SANDBLAST MIN-CHG	1	1	0	0	0

RECEIVED

AUG 21 2019

DART AEROSPACE LTD.

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